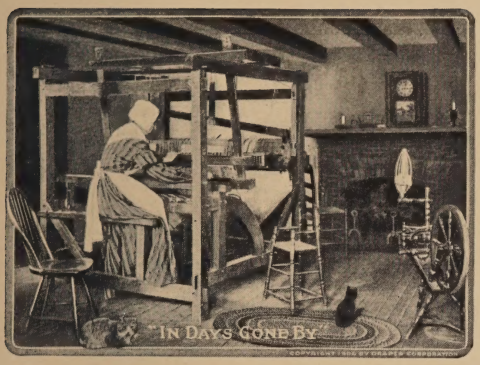
COTTON CHATS

DRAPER CORPORATION
HOPEDALE, MASSACHUSETTS



COTTON CHATS

TRADE-MARK REG. U.S. PAT. OFF.

DRAPER CORPORATION

HOPEDALE MASS.

No. 221. MARCH 1921.

THE AMERICAN WOOL AND COTTON REPORTER

in a recent number presents an article covering general basis of fabric costs and cost finding. The section devoted to weaving contains an interesting summary of the changes brought about by the general adoption of automatic looms, and reads as follows:

AUTOMATIC LOOM BASIS

There are so many automatic looms in operation today in the domestic market that the automatic loom basis should be considered when the cost is being obtained for any ordinary fabric construction.

Many fancy fabrics even are being produced on automatic looms and in many concerns plain cloths, sateens, twills, shirtings, duck, denim, sheetings, drills, and a great variety of constructions are so made, and therefore it is safe to consider an automatic loom basis today, where it was not safe a comparatively few years ago.

The producer who is using automatic looms will be obtaining a profit, while it may be a fact that the producer using ordinary looms, unless exceptionally efficient, will not be obtaining any profit at all.

The producing conditions have changed very much from what they were in the past; that is, some fabrics are in a relatively strong position, because their production cannot be or has not been expanded rapidly, or because the demand is increasing at a relatively faster rate than the production, and on this basis selling prices will vary depending upon how much the goods are needed and not on the basis of cost.

Under such conditions it may also be true that the costs of production will vary more widely because there has not been such keen competition in production.

AUTOMATIC LOOMS SHOW BETTER PROFIT THAN NON-AUTOMATIC LOOMS,

and are perhaps more desirable than they ever have been in the past.

HASTINGS' PATENT METAL BUSHED BOBBINS

For years the injury to filling bobbins by the various processes of conditioning yarn has been a source of annoyance to spinners and weavers and of expense to the mills. In the process of conditioning, the bobbins swell, reducing the size of the hole at the bottom, and causing

them to stand at various heights on the spindles in the spinning frame; this calls for reaming to fit the spindles; after repeated reaming the wood is so reduced that on Northrop bobbins the heads contract in outside diameter and the rings following the surface of the wood become loose and fail to fit the shuttle springs, thus ruining the bobbins.

The bobbins shown on fourth page were patented by Mr. Walter M. Hastings of Methuen, Mass., and the patent is owned by our Company. The important feature of construction is the insertion of metal bushings in the bases of the bobbins, opposite the rings on the exterior. These bushings co-operate with the rings to hold the wood in place when subject to extremes of heat or moisture, and thus secure much greater durability.

Our illustrations show bobbins made for the Rabbeth Centrifugal Clutch Spindle and for the Draper No. 2 spindle with solid whorl. Where the centrifugal clutch spindle is used the bobbins stand at absolutely uniform height on the spinning frame, as the bottom of bobbin rests on the top of whorl.

With solid whorl spindles the height of bobbins on the frame is practically the same, subject to the slight variations in shape of spindle whorls.

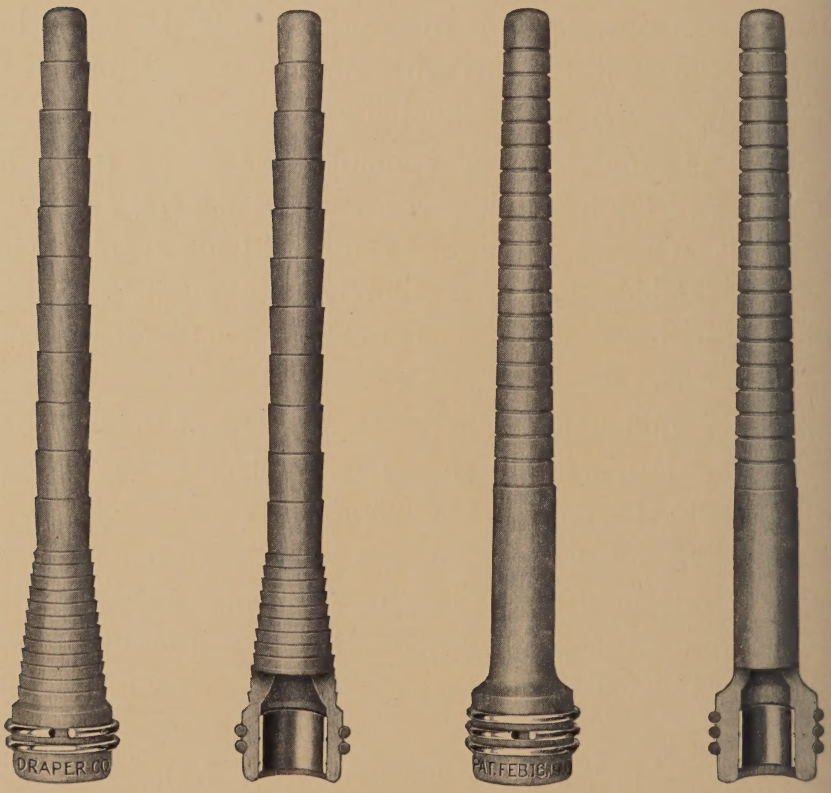
Mills having large numbers of Northrop looms, after several years' trial of the Hastings bobbins report a great saving in annual expense notwithstanding the increased price per thousand due to the added cost of the metal bushing.

We are prepared to furnish either feeler or cone bobbins for Northrop Looms with any desired form of outside shape, and to fit centrifugal clutch or other standard pattern of spindle.

In ordering bobbins for solid whorl spindles we call

special attention to the following: As above stated, the whorls of spindles vary in size, and bobbins should be fitted to samples having the smallest size of whorl. In this case the only disadvantage is that they stand a little higher on the larger whorls; whereas if bobbins are fitted to the largest whorls they may ride loosely on the smaller whorls and thus make slack yarn.

Customers ordering bobbins for solid whorl spindles are requested to send a sample spindle with a file mark on whorl to locate bottom of bobbin.



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